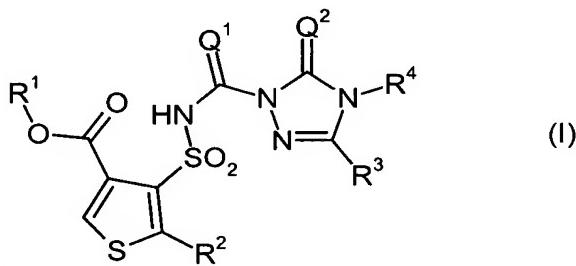


IN THE CLAIMS:

Claim 1. Cancelled.

Claim 2. (Currently Amended) ~~The compound according to Claim 1,~~  
~~wherein~~ A compound of the formula (I)



wherein

Q<sup>1</sup> represents O or S ,

Q<sup>2</sup> represents O or S ,

R<sup>1</sup> represents optionally cyano-, halogen- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-substituted alkyl having 1 to 6 carbon atoms, represents in each case optionally cyano- or halogen-substituted alkenyl or alkinyl having in each case 2 to 6 carbon atoms, represents in each case optionally cyano-, halogen- or C<sub>1</sub>-C<sub>4</sub>-alkyl-substituted cycloalkyl or cycloalkylalkyl having in each case 3 to 6 carbon atoms in the cycloalkyl group and optionally 1 to 4 carbon atoms in the alkyl moiety, or represents in each case optionally nitro-, cyano-, halogen-, C<sub>1</sub>-C<sub>4</sub>-alkyl- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-substituted carbocyclic aryl or arylalkyl having in each case 6 or 10 carbon atoms in the aryl group and optionally 1 to 4 carbon atoms in the alkyl moiety, or represents in each case optionally nitro-, cyano-, halogen-, C<sub>1</sub>-C<sub>4</sub>-alkyl- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-substituted heterocyclyl or heterocyclylalkyl having in each case up to 6 carbon

~~atoms and additionally 1 to 4 nitrogen atoms and/or 1 to 2 oxygen or sulphur atoms in the heterocyclyl group and optionally 1 to 4 carbon atoms in the alkyl moiety,~~

  
 $R^2$  represents hydrogen, cyano, nitro, halogen, represents in each case optionally cyano-, halogen- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-substituted alkyl, alkoxy, alkoxycarbonyl, alkylthio, alkylsulphinyl or alkylsulphonyl having in each case 1 to 6 carbon atoms in the alkyl group, or represents in each case optionally cyano- or halogen-substituted alkenyl, alkinyl, alkenyloxy or alkinyloxy having in each case 2 to 6 carbon atoms in the alkenyl or alkinyl group.

$R^3$  represents hydrogen, hydroxyl, mercapto, amino, cyano, fluorine, chlorine, bromine, iodine, represents optionally fluorine-, chlorine-, bromine-, cyano-, C<sub>1</sub>-C<sub>4</sub>-alkoxy-, C<sub>1</sub>-C<sub>4</sub>-alkyl-carbonyl- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted alkyl having 1 to 6 carbon atoms, represents in each case optionally fluorine-, chlorine- and/or bromine-substituted alkenyl or alkinyl having in each case 2 to 6 carbon atoms, represents in each case optionally fluorine-, chlorine-, cyano-, C<sub>1</sub>-C<sub>4</sub>-alkoxy- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted alkoxy, alkylthio, alkylamino or alkylcarbonylamino having in each case 1 to 6 carbon atoms in the alkyl group, represents alkenyloxy, alkinyloxy, alkenylthio, alkinylthio, alkenylamino or alkinylamino having in each case 3 to 6 carbon atoms in the alkenyl or alkinyl group, represents dialkylamino having in each case 1 to 4 carbon atoms in the alkyl groups, represents in each case optionally methyl-and/or ethyl-substituted aziridine, pyrrolidine, piperidine or morpholine, represents in each case optionally fluorine-, chlorine-, bromine-, cyano- and/or C<sub>1</sub>-C<sub>4</sub>-alkyl-substituted cycloalkyl, cycloalkenyl, cycloalkyloxy, cycloalkylthio, cycloalkylamino, cycloalkyl-alkyl, cycloalkylalkoxy, cycloalkylalkylthio or cycloalkylalkylamino having in each case 3 to 6 carbon atoms in the cycloalkyl or cyclo-

 alkenyl group and optionally 1 to 4 carbon atoms in the alkyl moiety, or represents in each case optionally fluorine-, chlorine-, bromine-, cyano-, nitro-, C<sub>1</sub>-C<sub>4</sub>-alkyl-, trifluoromethyl-, C<sub>1</sub>-C<sub>4</sub>-alkoxy- and/or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted carbocyclic aryl, arylalkyl, aryl-oxy, arylalkoxy, arylthio, arylalkylthio, arylamino or arylalkylamino having in each case 6 or 10 carbon atoms in the aryl group and optionally 1 to 4 carbon atoms in the alkyl moiety, and

R<sup>4</sup> represents hydrogen, hydroxyl, amino, cyano, represents C<sub>2</sub>-C<sub>10</sub>-alkylideneamino, represents optionally fluorine-, chlorine-, bromine-, cyano-, C<sub>1</sub>-C<sub>4</sub>-alkoxy-, C<sub>1</sub>-C<sub>4</sub>-alkyl-carbonyl- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted alkyl having 1 to 6 carbon atoms, represents in each case optionally fluorine-, chlorine- and/or bromine-substituted alkenyl or alkinyl having in each case 2 to 6 carbon atoms, represents in each case optionally fluorine-, chlorine-, bromine-, cyano-, C<sub>1</sub>-C<sub>4</sub>-alkoxy- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted alkoxy, alkylamino or alkylcarbonylamino having in each case 1 to 6 carbon atoms in the alkyl group, represents alkenyloxy having 3 to 6 carbon atoms, represents dialkylamino having in each case 1 to 4 carbon atoms in the alkyl groups, represents in each case optionally fluorine-, chlorine-, bromine-, cyano- and/or C<sub>1</sub>-C<sub>4</sub>-alkyl-substituted cycloalkyl, cycloalkylamino or cycloalkylalkyl having in each case 3 to 6 carbon atoms in the alkyl group and optionally 1 to 4 carbon atoms in the alkyl moiety, or represents in each case optionally fluorine-, chlorine-, bromine-, cyano-, nitro-, C<sub>1</sub>-C<sub>4</sub>-alkyl-, trifluoromethyl- and/or C<sub>1</sub>-C<sub>4</sub>-alkoxy-substituted carbocyclic aryl or arylalkyl having in each case 6 or 10 carbon atoms in the aryl group and optionally 1 to 4 carbon atoms in the alkyl moiety, or

R<sup>3</sup> and R<sup>4</sup> together represent optionally branched alkanediyl having 3 to 6 carbon atoms,

*(Signature)*

and a sodium, potassium, magnesium, calcium, ammonium, C<sub>1</sub>-C<sub>4</sub>-alkyl-ammonium, di-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-ammonium, tri-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-ammonium, tetra-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-ammonium, tri-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-sulphonium, C<sub>5</sub>- or C<sub>6</sub>-cycloalkyl-ammonium and di-(C<sub>1</sub>-C<sub>2</sub>-alkyl)-benzylammonium salt of said compound of the formula (I).

Claim 3. (Currently Amended) The compound according to Claim 42  
wherein

Q<sup>1</sup> represents O or S ,

Q<sup>2</sup> represents O or S ,

R<sup>1</sup> represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, represents in each case optionally cyano-, fluorine- or chlorine-substituted propenyl, butenyl, propinyl or butinyl, represents in each case optionally cyano-, fluorine-, chlorine-, methyl- or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl or cyclohexylmethyl, represents in each case optionally cyano-, fluorine-, chlorine-, bromine-, methyl-, ethyl-, n- or i-propyl-, trifluoromethyl-, methoxy-, ethoxy-, n- or i-propoxy-, difluoromethoxy- or trifluoromethoxy-substituted phenyl, phenylmethyl or phenylethyl, or represents in each case optionally cyano-, fluorine-, chlorine-, bromine-, methyl-, ethyl-, n- or i-propyl-, methoxy-, ethoxy-, n- or i-propoxy-substituted heterocyclyl or heterocyclylmethyl, where the heterocyclyl group is in each case selected from the group consisting of exetanyl, thietanyl, furyl, tetrahydrefuryl, thietyl, tetrahydrothienyl,



$R^2$  represents hydrogen, cyano, fluorine, chlorine, bromine, represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, methoxy, ethoxy, n- or i-propoxy, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, methylthio, ethylthio, n- or i-propylthio, methylsulphinyl, ethylsulphinyl, methylsulphonyl or ethylsulphonyl, or represents in each case optionally cyano-, fluorine- or chlorine-substituted propenyl, butenyl, propinyl, butinyl, propenyloxy, butenyloxy, propinyloxy or butinyloxy,

$R^3$

represents hydrogen, hydroxyl, mercapto, amino, cyano, fluorine, chlorine, bromine, represents in each case optionally fluorine-, chlorine-, cyano-, methoxy-, ethoxy-, n- or i-propoxy, acetyl-, propionyl-, n- or i-butyroyl-, methoxycarbonyl-, ethoxycarbonyl-, n- or i-propoxycarbonyl-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, represents in each case optionally fluorine-, chlorine- and/or bromine-substituted ethenyl, propenyl, butenyl, ethinyl, propinyl or butinyl, represents in each case optionally fluorine-, chlorine-, cyano-, methoxy-, ethoxy-, n- or i-propoxy-, methoxy-carbonyl-, ethoxycarbonyl-, n- or i-propoxycarbonyl-substituted methoxy, ethoxy, n- or i-propoxy, n-, i-, s- or t-butoxy, methylthio, ethylthio, n- or i-propylthio, n-, i-, s- or t-butylthio, methylamino, ethylamino, n- or i-propylamino, n-, i-, s- or t-butylamino, acetyl-amino or propionylamino, represents propenyloxy, butenyloxy, ethinyloxy, propinyloxy, butinyloxy, propenylthio, butenylthio, propinylthio, butinylthio, propenylamino, butenylamino, propinyl-amino or butinylamino, represents dimethylamino, diethylamino or dipropylamino, represents in each case optionally fluorine-, chlorine-, methyl- and/or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopentenyl, cyclohexenyl, cyclopropyl-oxy, cyclobutyloxy, cyclopentyloxy, cyclohexyloxy, cyclopropylthio, cyclobutylthio, cyclopentylthio, cyclohexylthio, cyclopropylamino, cyclobutylamino, cyclopentylamino, cyclohexylamino, cyclopropyl-

*CK*

methyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, cyclopropylmethoxy, cyclobutylmethoxy, cyclopentylmethoxy, cyclohexylmethoxy, cyclopropylmethylthio, cyclobutylmethylthio, cyclopentylmethylthio, cyclohexylmethylthio, cyclopropylmethylamino, cyclobutylmethylamino, cyclopentylmethylamino or cyclohexylmethylamino, or represents in each case optionally fluorine-, chlorine-, bromine-, methyl-, trifluoromethyl-, methoxy- or methoxy-carbonyl-substituted phenyl, benzyl, phenoxy, benzyloxy, phenylthio, benzylthio, phenylamino or benzylamino, and

R<sup>4</sup>

represents hydrogen, hydroxyl, amino, represents in each case optionally fluorine-, chlorine-, cyano-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, represents in each case optionally fluorine-, chlorine- and/or bromine-substituted ethenyl, propenyl, butenyl, propinyl or butinyl, represents in each case optionally fluorine-, chlorine-, cyano-, methoxy- or ethoxy-substituted methoxy, ethoxy, n- or i-propoxy, n-, i-, s- or t-butoxy, methylamino, ethylamino, n- or i-propylamino, n-, i-, s- or t-butylamino, represents propenyloxy or butenyloxy, represents dimethylamino or diethylamino, represents in each case optionally fluorine-, chlorine-, methyl- and/or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopropylamino, cyclobutylamino, cyclopentylamino, cyclohexylamino, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl or cyclohexylmethyl, or represents in each case optionally fluorine-, chlorine-, methyl-, trifluoromethyl- and/or methoxy-substituted phenyl or benzyl, or

R<sup>3</sup>-and R<sup>4</sup>-together represent trimethylene (propane 1,3-diyl), tetra-methylene (butane 1,4-diyl) or pentamethylene (pentane 1,5-diyl),

and a sodium, potassium, magnesium, calcium, ammonium, C<sub>1</sub>-C<sub>4</sub>-alkyl ammonium, di-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-ammonium, tri-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-ammonium,

tetra-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-ammonium, tri-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-sulphonium, C<sub>5</sub>- or C<sub>6</sub>-cycloalkyl-ammonium and di-(C<sub>1</sub>-C<sub>2</sub>-alkyl)-benzylammonium salt of said compound.

Claim 4. (Currently Amended) A compound according to Claim 42 wherein |

 Q<sup>1</sup> represents O ,

Q<sup>2</sup> represents O ,

R<sup>1</sup> represents in each case optionally fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl,

R<sup>2</sup> represents fluorine, chlorine, bromine or represents in each case optionally fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl,

R<sup>3</sup> represents hydrogen, chlorine, bromine, represents in each case optionally fluorine-, chlorine-, methoxy-, ethoxy-, n- or i-propoxy-substituted methyl, ethyl, n- or i-propyl, represents in each case optionally fluorine- or chlorine-substituted ethenyl, propenyl, butenyl, propinyl or butinyl, represents in each case optionally fluorine-, chlorine-, methoxy-, ethoxy-, n- or i-propoxy-substituted methoxy, ethoxy, n- or i-propoxy, methylthio, ethylthio, n- or i-propylthio, methylamino, ethylamino, n- or i-propylamino, represents propenyl-oxy, propinyloxy, propenylthio, propinylthio, propenylamino or propinylamino, represents dimethylamino or diethylamino, represents in each case optionally fluorine-, chlorine- or methyl-substituted cyclopropyl, cyclopropyloxy, cyclopropylmethyl or cyclopropylmethoxy, and

*CJ*

$R^4$  represents in each case optionally fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, represents in each case optionally fluorine- or chlorine-substituted ethenyl, propenyl or propinyl, represents in each case optionally fluorine-, chlorine-, methoxy- or ethoxy-substituted methoxy, ethoxy, n- or i-propoxy, represents methylamino, or represents cyclopropyl,

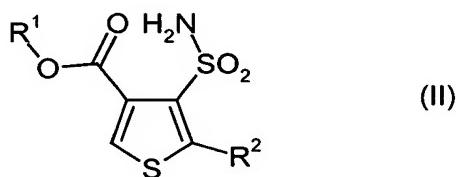
*CJ*

and a sodium, potassium, magnesium, calcium, ammonium, C<sub>1</sub>-C<sub>4</sub>-alkyl-ammonium, di-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-ammonium, tri-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-ammonium, tetra-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-ammonium, tri-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-sulphonium, C<sub>5</sub>- or C<sub>6</sub>-cycloalkyl-ammonium and di-(C<sub>1</sub>-C<sub>2</sub>-alkyl)-benzylammonium salt of said compound.

*CJ*

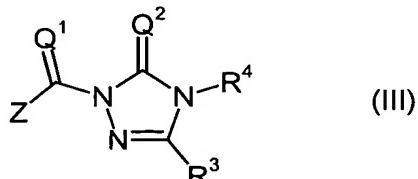
Claim 5. (Currently Amended) A process for preparing a compound according to Claim 42, comprising the step of:

(a) reacting a substituted thiophene-3-sulphonamide of the formula (II)



wherein

$R^1$  and  $R^2$  are each as defined in Claim 42  
with a substituted triazolin(ethi)one of the formula (III)



wherein

$Q^1$ ,  $Q^2$ ,  $R^3$  and  $R^4$  are each as defined in Claim 42 and

*C 2 X*

Z represents halogen, alkoxy, aryloxy or arylalkoxy,  
optionally in the presence of ~~a reaction auxiliary an acid binder~~ and  
optionally in the presence of a diluent,  
~~said process (a) further optionally comprising the step of converting  
the compound of the formula (I) obtained by said process (a) into a  
salt.~~

wherein said reaction is carried out at a temperature of about -20°C  
and +150°C under a pressure selected from the group consisting of  
atmospheric pressure, elevated pressure and reduced pressure  
and wherein, optionally, said reaction mixture is stirred for several  
hours at said temperature and wherein optionally approximately  
equimolar amounts of said substituted thiophene-3-sulphonamide  
of the formula (II) and said substituted triazolin(ethi)one of the  
formula (III) are reacted in said reaction.

Claim 6. Cancelled.

Claim 7. Cancelled.

*C 3*

Claim 8. (Currently Amended) A method for controlling undesirable  
vegetation, comprising the step of allowing an effective amount of  
one or more compounds according to Claim 42 to act on a member  
selected from the group consisting of an undesirable plant, a habitat  
of said undesirable plant and combinations thereof.

Claim 9. Cancelled.

*C 4 f*

Claim 10. (Currently Amended) An herbicidal composition comprising one or  
more compounds according to Claim 42 and a member selected  
from the group consisting of one or more extenders, one or more  
surfactants, and combinations thereof.

Claim 11. (New) The compound of Claim 2 wherein R<sup>2</sup> is methyl.

Claim 12. (New) The compound of Claim 2 wherein Q<sup>1</sup> is oxygen, Q<sup>2</sup> is oxygen, R<sup>1</sup> is -CH<sub>3</sub>, R<sup>2</sup> is -CH<sub>3</sub>, R<sup>3</sup> is -OCH<sub>3</sub>, and R<sup>4</sup> is -CH<sub>3</sub>.

Claim 13. (New) The compound of Claim 2 wherein Q<sup>1</sup> is oxygen, Q<sup>2</sup> is oxygen, R<sup>1</sup> is -CH<sub>3</sub>, R<sup>2</sup> is -CH<sub>3</sub>, R<sup>3</sup> is -OC<sub>3</sub>H<sub>7</sub>-n and R<sup>4</sup> is -CH<sub>3</sub>.

Claim 14. (New) The compound of Claim 2 wherein Q<sup>1</sup> is oxygen, Q<sup>2</sup> is oxygen, R<sup>1</sup> is -CH<sub>3</sub>, R<sup>2</sup> is -CH<sub>3</sub>, R<sup>3</sup> is -OC<sub>3</sub>H<sub>7</sub>-i and R<sup>4</sup> is -CH<sub>3</sub>.

Claim 15. (New) The compound of Claim 2 wherein Q<sup>1</sup> is oxygen, Q<sup>2</sup> is oxygen, R<sup>1</sup> is -CH<sub>3</sub>, R<sup>2</sup> is -CH<sub>3</sub>, R<sup>3</sup> is -OCH<sub>3</sub> and R<sup>4</sup> is

Claim 16. (New) The compound of Claim 2 wherein Q<sup>1</sup> is oxygen, Q<sup>2</sup> is oxygen, R<sup>1</sup> is -CH<sub>3</sub>, R<sup>2</sup> is -CH<sub>3</sub>, R<sup>3</sup> is -OC<sub>3</sub>H<sub>7</sub>-n and R<sup>4</sup> is

Claim 17. (New) The compound of Claim 2 wherein Q<sup>1</sup> is oxygen, Q<sup>2</sup> is oxygen, R<sup>1</sup> is -CH<sub>3</sub>, R<sup>2</sup> is -CH<sub>3</sub>, R<sup>3</sup> is -CH<sub>3</sub> and R<sup>4</sup> is -CH<sub>3</sub>.

Claim 18. (New) The compound of Claim 2 wherein Q<sup>1</sup> is oxygen, Q<sup>2</sup> is oxygen, R<sup>1</sup> is -CH<sub>3</sub>, R<sup>2</sup> is -CH<sub>3</sub>, R<sup>3</sup> is -C<sub>2</sub>H<sub>5</sub> and R<sup>4</sup> is -CH<sub>3</sub>.

Claim 19. (New) The compound of Claim 2 wherein Q<sup>1</sup> is oxygen, Q<sup>2</sup> is oxygen, R<sup>1</sup> is -CH<sub>3</sub>, R<sup>2</sup> is -CH<sub>3</sub>, R<sup>3</sup> is -SCH<sub>3</sub> and R<sup>4</sup> is -CH<sub>3</sub>.

Claim 20. (New) An herbicidal composition comprising one or more compounds according to Claim 11 and a member selected from the

group consisting of one or more extenders, one or more surfactants, and combinations thereof.

- Claim 21. (New) An herbicidal composition comprising one or more compounds according to Claim 12 and a member selected from the group consisting of one or more extenders, one or more surfactants, and combinations thereof.
- Claim 22. (New) An herbicidal composition comprising one or more compounds according to Claim 13 and a member selected from the group consisting of one or more extenders, one or more surfactants, and combinations thereof.
- Claim 23. (New) An herbicidal composition comprising one or more compounds according to Claim 14 and a member selected from the group consisting of one or more extenders, one or more surfactants, and combinations thereof.
- Claim 24. (New) An herbicidal composition comprising one or more compounds according to Claim 15 and a member selected from the group consisting of one or more extenders, one or more surfactants, and combinations thereof.
- Claim 25. (New) An herbicidal composition comprising one or more compounds according to Claim 16 and a member selected from the group consisting of one or more extenders, one or more surfactants, and combinations thereof.
- Claim 26. (New) An herbicidal composition comprising one or more compounds according to Claim 17 and a member selected from the group consisting of one or more extenders, one or more surfactants, and combinations thereof.

  
Claim 27. (New) An herbicidal composition comprising one or more compounds according to Claim 18 and a member selected from the group consisting of one or more extenders, one or more surfactants, and combinations thereof.

Claim 28. (New) An herbicidal composition comprising one or more compounds according to Claim 19 and a member selected from the group consisting of one or more extenders, one or more surfactants, and combinations thereof.